

AMENDMENTS TO THE SPECIFICATION

Please insert the following new heading and paragraph on page 1, after the Title of the Invention:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a 35 U.S.C. §371 National Phase filing of PCT Application No. PCT/US04/000659 filed 12 January 2004, which application claimed priority of the following commonly owned U.S. Provisional Patent Applications – U.S.S.N. 60/440,150, filed 15 January 2003 and – U.S.S.N. 60/471,597, filed 19 May 2003. The PCT application designated the United States and was published in the English language on 5 August 2004 as WO 04/065619 A2.

At page 20, please amend paragraph [0161] as follows:

The assembled device is illustrated in FIGS. 23 and 24. Referring to FIG. 23, device 100 includes blocks 110 and 120 and sheets 130 and 140, and permeable member [[16]] 416. Conduits 114, 116, 215, and 217, noted above, are illustrated along with connecting devices 124, 126, 224, and 226, respectively, which serve to connect the focusing chamber with its respective supplies. Inlet connection device 318 and outlet connecting device 320 are illustrated and communicate with channels

119 and separation chamber inlet 418 and outlet 420, respectively. Connector 224 leads to the device's controller and provides current to the electrode array. The representative device further includes first and second plates 170 and 180, respectively, which overlie the outward surfaces of blocks 110 and 120, respectively. Plates 170 and 180 can reinforce the assembly. Plates 170 and 180 are preferably steel plates.

At page 20, please insert the following new paragraph between paragraphs [0155] and [0156]. No new matter is introduced in the amendment. Support for the amendment can be found in US 6,277,258, at col. 7, lines 26-45, as incorporated by reference in its entirety for all purposes at paragraph [0002] of the pending application.

A representative focusing chamber formed in accordance with the present invention is shown schematically in FIG. 20. Referring to FIG. 20, focusing chamber 10 includes separation chamber 12 and electrode chamber 14 separated by porous member 16. Separation chamber 12 includes elution buffer inlet 18 and outlet 20. In operation, in one embodiment, elution buffer flows downward from inlet 18 through chamber 12 exiting outlet 20, and coolant buffer flows through electrode chamber 14, preferably upwardly. Electrode chamber 14 includes an array of electrodes 22. As shown in FIG. 20, the electrode array can be positioned on the electrode chamber surface 24 opposing separation chamber 12 and porous member 16. Alternatively, as shown in FIG. 21, the electrode chamber includes a pair of electrode arrays.

Referring to FIG. 21, in this embodiment, the electrode array includes an electrode array 522 positioned in electrode chamber 514 on electrode chamber surfaces 526 and 528 adjacent separation chamber 512 and porous member 516. Device 510 includes elution buffer inlet 518 and outlet 520 and can further include one or more ports 530 for eluting solutes from the separation chamber.

-- REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK --